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Anti-Pyruvate Dehydrogenase E2 Antibody (4A4-B6-C10)

Mouse Monoclonal Antibody
Catalog # ABV12053

Product Information

Application	WB, IF, IP
Primary Accession	P10515
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Names	4A4-B6-C10
Calculated MW	68997

Additional Information

Gene ID	1737
Application & Usage	WB: Jurkat, A549, U251, F9, Lncap and Hela cell lysates,
Other Names	70 kDa mitochondrial autoantigen of primary biliary cirrhosis, PBC, Dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complex, M2 antigen complex 70 kDa subunit, Pyruvate dehydrogenase complex component E2
Target/Specificity	Pyruvate Dehydrogenase E2
Antibody Form	Liquid
Appearance	Colorless liquid
Formulation	In buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Handling	The antibody solution should be gently mixed before use.
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-Pyruvate Dehydrogenase E2 Antibody (4A4-B6-C10) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DLAT (HGNC:2896)
Synonyms	DLTA

Function	The pyruvate dehydrogenase (PDH) complex, catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2), and thereby links cytoplasmic glycolysis and the mitochondrial tricarboxylic acid (TCA) cycle (Probable). It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and dihydrolipoamide dehydrogenase (E3); (Probable). Within this complex, the catalytic function of this enzyme is to accept, and to transfer to coenzyme A, acetyl groups from acetyl- lipoyl moiety generated by the pyruvate dehydrogenase, leading to acetyl-CoA formation (Probable).
Cellular Location	Mitochondrion matrix {ECO:0000250|UniProtKB:P08461}

Background

The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO2, and thereby links the glycolytic pathway to the tricarboxylic cycle

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.